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PATENT ABSTRACTS OF JAPAN

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(21) Application number: 2001033626	(71) Applicant: HITACHI MEDICAL CORP
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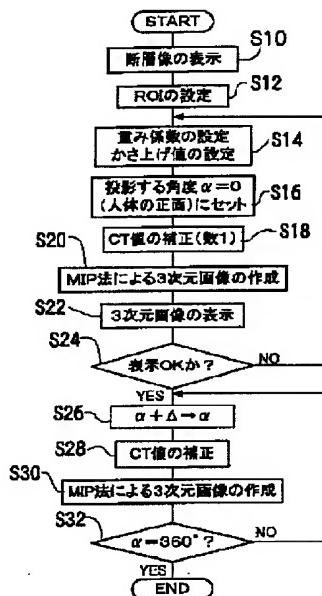
(54) THREE-DIMENSIONAL IMAGE CREATING  
METHOD

(57) Abstract:

PROBLEM TO BE SOLVED: To confirm an intended region of interest in various directions and observe the peripheral region of the region of interest in creating a three-dimensional image.

SOLUTION: A region of interest ROI is set in an intended lesion in an obtained three-dimensional image (step 12). Subsequently, a weighting factor and a raising value for raising a CT value in the ROI are set (step 14). According to the raising value, the CT value of the three-dimensional original image is corrected (step 18), and a three-dimensional image is created by MIP method (step 20).

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**HIT: 1 OF 1, Selected: 0 OF 0**

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**Title Derwent**

Three-dimensional image generation method involves emphasizing diseased region identified from three-dimensional original picture image, by carrying out weighting between image pixels

**Abstract Derwent**

**Novelty:** A diseased region is identified from a three-dimensional original picture image. A weighting is carried out between each pixel in the diseased region and that in region other than the diseased region so that the diseased region is emphasized. The three-dimensional original picture image with the emphasized diseased region, is projected on a projection plane.

**Use:** Three-dimensional image generation using image acquired with X-ray CT device, MRI device, etc.

**Advantage:** The shape and position of the diseased region and its periphery can be recognized easily by emphasizing it by carrying out weighting between the image pixels.

**Description of Drawing:** The figure shows a flowchart explaining the three-dimensional image generation. (Drawing includes non-English language text).

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T01-J05A	T01-J10B	

**International Patent Classification (IPC)**

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A61B-5/055	2006-01-01	I	C
A61B-6/03	2006-01-01	I	C
G06T-1/00	2006-01-01	I	C
A61B-5/055	2006-01-01	I	A
A61B-6/03	2006-01-01	I	A
G06T-1/00	2006-01-01	I	A

**Drawing**

